The Thirteenth Annual
Undergraduate Expo

Western Carolina University
Ad vitam paramus
The Honors College
MCMXCVII

March 21-22

2011
Welcome
The thirteenth Undergraduate Expo features 263 student presenters and 77 faculty sponsors, spread over thirty departments and programs and two days. Through this event, Western Carolina University celebrates undergraduate achievement, with presentations representing the creative thinking, research, practice, service, calculation, writing, and editing that occurs every day our institution is open, in studios, labs, classrooms, and out in the field. Please take some time to attend a presentation, even one that is out of your discipline, to learn more about what is taught and learned at your university.

The Expo Reception
The reception for students, faculty sponsors, and the community at large will begin at 5:30 p.m. on Monday, March 21, in the Grand Room at the University Center. A brief program will start at 6:00 p.m. in the Grand Room, where the RODIN award will be announced.

Poster Session
The Expo Poster Session will be held in and around the University Center Grand Room from 5:00 p.m. to approximately 6:30 p.m. on Monday, March 21.

Press Releases for Student Presenters
WCU’s Office of Public Relations routinely sends news releases about student activities and honors to the students’ hometown/local newspapers. Participants in the Undergraduate Expo who wish to take advantage of that service should visit the Web site http://www.wcu.edu/22961.asp to fill out an online form and submit it via e-mail to the Public Relations Office.

The Public Relations Office also can send photographs of students to their hometown/local newspapers to accompany the news releases. Students who wish to take advantage of that service are invited to come to Room 420 in H.F. Robinson Administration Building to have their photographs taken between 2 p.m. and 5 p.m. on one of these days: Wednesday, April 6; Wednesday, April 20; or Wednesday, May 4.

Students with scheduling conflicts that prevent them from taking advantage of these photo sessions may make a special appointment to have a photograph taken by calling the Public Relations photography office at 828-227-3081. Students’ personal photos will be considered for use, depending on quality. Portrait-quality head-and-shoulders shots may be e-mailed to rholcomb@wcu.edu.

National Conference on Undergraduate Research (NCUR)
This year NCUR will be on the campus of the Ithaca College, Ithaca, New York, March 30 - April 2. Please check the program on the next page for the complete list of the 69 NCUR25 abstracts accepted; this year, WCU is fourth in the nation in the number of accepted abstracts and once again number one in North Carolina.

Acknowledgments
Without students to do the work and faculty members to mentor them, there would be no Expo. Many thanks to them, and to the deans, associate deans, directors, and department heads who did so much to help promote the Expo this year!
Below are the projects accepted, titles, student presenters, and their sponsors for NCUR25. Funding for travel to NCUR25 was made possible by Honors College Advisory Board members and assistance from the Office of the Chancellor.

Anthropology & Archeology
Cross Cultural Comparison of Medicine And Medicine Folklore: Cherokee and Irish
Bethel Bower, presenter
Anne Rogers, sponsor

Exploring Cherokee Foodways Through Raman and Fourier Transform Infrared Spectrometry
Tina Crowe, presenter
Jane M. Eastman, sponsor

Mass Graves of Guatemala
Neisha Harding, presenter
Dr. James D. Davis, sponsor

Applying Microanalysis Techniques to Forensic Cases Involving Dismemberment
Lacy Hoyle, presenter
Cheryl Johnston, sponsor

Chemistry
Lanthanide-Based Nanomaterials with Enhanced Luminescence and Magnetic Properties for Biomedical Imaging Applications
Lauren Runken, presenter
Dr. Channa De Silva, sponsor

Communications
How Clarence Thomas Squeaked By a Senate Judiciary Vote by Benefit-of-the Doubt Strategy
Christopher Younts, presenter
Pamela Harris, PhD., sponsor

Criminology
Los Estados Unidos Drogados: Narcotics, Violence and the Mexican-American Connection
Erin Andrews, presenter
Dr. James D. Davis, sponsor

Comparison of Self-Reported Crime and Official Crime Statistics at Western Carolina
Donnielle Foster, presenter
Cyndy C. Hughes, sponsor

The CSI Effect: A Few Rare Cases or a Changing of Juror Mentality?
Cayli Meizel, presenter
Leonard Knight, sponsor

Ecology & Organismal Biology
The Effect of Germination Time on Acorn Predation
William Ford, presenter
Beverly Collins, Kathy Mathews, sponsor

Salamanders and the Ecology of Fear: Behavioral Responses to Predation Risk
Mariah Hornby, presenter
Joseph H.K. Pechmann, sponsor
Economics
Income Inequality in the United States and Historical Solutions
Matthew Sutter, presenter
Inhyuck Ha, sponsor

An Economic and Policy Analysis of South Korea as the Top Producer in the World’s Ship Building Industry
Eun-jung Woo, presenter
James M. Arnott, sponsor

Education
Perceptions of Special Education and General Education Teachers on Students with Physical and Intellectual Disabilities in the Classroom
Ashley Anderson, presenter
Valerie M. Mazzotti, PhD, sponsor

Special Education Teachers Perceptions of Using “Scientifically-Based” Research Practices to Teach Students with Moderate/Severe Disabilities
Amber Anderson, presenter
Valerie M. Mazzotti, PhD, sponsor

Researching Farm to School: Integrating Farm Field Trips, Nutrition, Cooking, and Gardening into an Already Filled Third Grade Curriculum
Sarah Malcolm, presenter
Dr. Patricia Bricker, sponsor

Connecting Farm to School Activities and Required Curriculum: An Action Research Project in a Kindergarten Classroom
Carol Norris, presenter
Dr. Patricia Bricker, sponsor

Civic Education for Teenagers: Educating Effective Citizens
Amanda Smith, presenter
Dr. Christopher Cooper, sponsor

Enhancing the Learning Experience
Christine Weathers, presenter
Dr. Terry Rose, sponsor

English
Feminism, Sexuality, and Myth in H.D.’s Sea Garden
Kayla Beauduy, presenter
Dr. Annette Debo, sponsor

John Keats, the Apothecary Surgeon of “Ode To A Nightingale”
Taylor Fie, presenter
Brent E. Kinser, sponsor

Things Fall Apart: The Real Housewives of Igbo Culture
Kayla Jones, presenter
Laura Wright, sponsor

“You Rememory Me?”: The Role of the Past in Toni Morrison’s Beloved
Elizabeth Nissly, presenter
Dr. Annette Debo, sponsor

Environmental Studies & Sciences
Actual Versus Perceived Recycling by Western Carolina University Students
Austin Brooks, presenter
Dr. Laura Dewald, sponsor

Film/Photography Studies
The Hitchcock Blonde and How She Drives the Thriller
Donnie Lambert, presenter
Dr. Elizabeth Heffelfinger, sponsor

Health Sciences & Public Health
Joint Hypermobility in a High School Female Athlete
Ashley Bracken, presenter
James Scifers, sponsor

Traumatic Facial Nerve Palsy in a High School Football Player
Heather Brown, presenter
James Scifers, sponsor
Health Sciences and Public Health
(continued)

“The Effect of Substituting Resistant Starch for All Purpose Flour in Wheat Bread on Fiber and Flavor”
Frances Childers, presenter
Mary Baldwin Sanders, sponsor

Taste Acceptance of Bread Made with Resistant Starch Compared to All Purpose Flour
Chloe Greene, presenter
Mary B. Sanders, April Tallant, sponsor

Not In My Backyard...Unless I’m Poor, Uneducated or a Person of Color: The Toxicity of PCBs, Midnight Dumping, and Environmental Racism in Warren County, North Carolina
Erin Gymburch, presenter
Dr. Burton Ogle, sponsor

Farm Fresh Taste: Acceptability of Local Produce among School-Aged Children
Patricia Hipgrave, presenter
April Tallant, sponsor

Impacted Zygomatic Tripod Fracture in a High School Soccer Player
Andrea Kaufman, presenter
James Scifers, sponsor

Potential Use of an Ozonator to Improve Air Quality in Unoccupied Spaces
Amanda McQueen, presenter
Dr. Burton Ogle, sponsor

Comparison of Noise Emissions of Standard Electric and Gas-Powered Chainsaws
Amanda McQueen, presenter
Dr. Burton Ogle, sponsor

Non-Contact Posterior Hip Subluxation in a Collegiate Football Player Resulting in an Acetabular Fracture
Emily Whittington, presenter
Ashley S. Long, sponsor

History
Between the Lines of Longitude: An Alternate Look into the Longitude Problem and John Harrison’s Prize
Hope Alwine, presenter
Dr. Richard Starnes, sponsor

Interdisciplinary Studies
“My Eiffel Tower is No Minaret” - Anti-Islamic Discrimination in France
Corey Atten, presenter
Dr. James D. Davis, sponsor

Framing Liberation in Latin American Social Movements
Mary Beth Fallin, presenter
Lori Oxford, sponsor

Literature
Santiago’s Ascension: Mortality and Transcendence in Ernest Hemingway’s The Old Man and The Sea
Andrew Benton, presenter
Brent E. Kinser, sponsor

Portrait of a Monster: Class Differences in John Fowles’s The Collector
Travis Mullen, presenter
Dr. Annette Debo, sponsor

Satan is America: John Milton, Thomas Jefferson, and the Foundations of A New Republic
Christopher Rollins, presenter
Mary Fenton, sponsor

Time: A True Miltonic Villain
Kimberly Waddell, presenter
Dr. Mary Fenton, sponsor

Management
Mama Always Said, “You Shouldn’t Say Shut Up,” Was She Right?
Shannon Owen, presenter
Theresa A. Domagalski, sponsor
Microbiology & Immunology
Prokaryotic 16s rDNA and Ammonia Monoxygenase Gene Diversity from an Imperiled Keystone Tree Species
Julie Carter, presenter
Dr. Sean O’Connell, sponsor

Music
Now You Hear It, Now You Don’t: Observing Constructive and Destructive Interference of Sound and How it Pertains to Instrumental Ensembles
Kelsey Stover, presenter
Dr. Eldred Spell, sponsor

Physical/Occupational Therapy/Speech Language Pathology
A Life Without Knees: Restructured and Redeveloped
Jessie Conner, presenter
Joseph Mathews, sponsor

Poetry & Creative Writing
Clearest Minds of a Clouded Generation
James Ruff, presenter
Beth Huber, sponsor

Political Science
The Problem With No Child Left Behind: A Study on the Correlation Between Community Type and a School’s Adequate Yearly Progress Score in North Carolina Schools
Hope Alwine, presenter
Dr. Daniel Bromberg, sponsor

Drug Bust: The War on Drugs and is it Working?
Mitchell Bridges, presenter
Dr. Chris Cooper, sponsor

The Sound of Music; Examining Cultural Differences in Political Parties
Lea Anna Bright, presenter
Dr. Chris Cooper, sponsor

Does Type of Government Affect Overall Happiness?
Catherine Denning, presenter
Dr. Christopher Cooper, sponsor

The Technological, Economic, and Political Potential of the Alternative Energy Industry
Mitchell Rosewall, presenter
Dr. Christopher Cooper, sponsor

Terrorism: The Effects of Corruption
Hayden Smith, presenter
Niall Michelsen, sponsor

How September Eleventh Changed the United States and Pakistan Relationship
Catherine Stiers, presenter
Jennifer Schiff, sponsor

Psychology
The Necker Cube: An Alternative Measure of Direct Attention
Jessica Hurlbut, presenter
Windy Gordon, sponsor

The Freshman 15; How Real is Race
Rachel Lockett, presenter
Dr. John Habel, sponsor

Sex Differences in Cognitive Mapping and Sense of Direction
Amanda McNally, presenter
James Goodwin, sponsor

Mammification of the African-American Woman; How Black and White College Students Perceive Aunt Jemima
Mahogany Smith, presenter
Dr. John Habel, sponsor

An Analysis of Attachment and Attachment Disorder in Early Childhood
Alisha Smith, presenter
Dr. John Habel, Mickey Randolph, sponsor
Sociology
Game On—Understanding The Nintendo Ds as a Socializer in Childhood: From the Child’s Perspective; From The Adult’s Perspective
Nicholas Weitzel, presenter
Marilyn Chamberlin, sponsor

The Culture War’s Littlest Crusaders: The Orthodox Allies’ Last Hope
Mary Beth Fallin, presenter
Peter Nieckarz, sponsor

Theatre/Drama
Theatre Games/Exercises and their Effect on Thespians
Benjamin Chafetz, presenter
Deryl Victor Caitlyn, sponsor

Creating a 1938 Period Look for Women With Contemporary Eveningwear.
Sarah Hardy, presenter
Susan K. Brown-Strauss, sponsor

Women and Gender Studies
“Is it a Choice?”
Amanda Bienhaus, presenter
Lorrie Willey, sponsor

End the Silence: An In-Depth Look at Why the Congo is Still the Rape Capital of the World
Kayla Coe, presenter
Robin Payne, sponsor
Undergraduate Expo 2011

Presentations will be held at Western Carolina University, March 21-22, according to college and department. Below are the project titles, presenters, sponsors, time, and place of presentation.

* ~ denotes a presentation also selected for NCUR25

Monday, March 21, 2011

Poster Session

5:00 - 6:30 PM ~ University Center Grand Room & Lobby

Students are invited to set up posters in the Grand Room after 4:30 p.m.

College of Arts and Sciences

Biology

16s rDNA of Bacteria and Archaea and amoA of Archaea and Bacteria Obtained from Root and Soil Samples Collected from Three Eastern Hemlock Trees (Tsuga canadensis) in the Great Smoky Mountains National Park Along the Kepart Prong Trail
Student Presenter: Julie Carter
Faculty Sponsor: Sean O’Connell

Perceived vs. Actual Recycling Among Students at WCU
Student Presenter: Austin Brooks*, Kindra Foy
Faculty Sponsor: Laura E. DeWald

Chemistry & Physics

Using a Catalytic Beacon to Identify Effective siRNA Target Sites
Student Presenter: Susan Clark, Olena Northrup
Faculty Sponsor: Christopher Coburn

Planetary Fit
Student Presenter: Sarah Dinkins
Faculty Sponsor: Enrique Gomez

Use of Pteridine and Lipofuscin Fluorescence for Age Determination in Apis mellifera
Student Presenter: Christina Kotraba
Faculty Sponsor: Christopher Coburn

Dirty Bombs: Destruction or Distraction?
Student Presenter: Adam Flaherty
Faculty Sponsor: Matthew Rave

PR Meets Wellness
Student Presenter: Gabby Robinson
Faculty Sponsor: Weaver Haney

A Laboratory Evaluation and Comparison of The Release Rates of Oriental Fruit Moth in Soy, Paraffin, and Microcrystalline
Student Presenter: Afton Harris
Faculty Sponsor: Cynthia Atterholt

HERDA: A Genetic Disease in Horses
Student Presenter: Kathy Turnbull
Faculty Sponsor: Indrani Bose

Antitumor Oplopane Sesquiterpenoids from Arnoglossum atriplicifolium
Student Presenter: Kristin M. Naylor
Faculty Sponsor: Jason Clement

Lanthanide-based Nanomaterials with Enhanced Luminescence and Magnetic Properties for Biomedical Imaging Applications
Student Presenter: L. Blair Runken*
Faculty Sponsor: Channa De Silva

Undergraduate Expo 2011 - Western Carolina University - Poster Sessions - Monday, March 21
Chemistry and Physics (continued)

DNA Extraction from Bone Demineralization
Student Presenter: Alexandra Witter
Faculty Sponsor: Brittania Bintz

English

MacDonald’s Spiritual Evolution in Narnia’s Animals
Student Presenter: Anne Catherine “Kate” McRae
Faculty Sponsor: James Addison

Charles Dickens: His Life and His Work
Student Presenter: Elizabeth Nissly
Faculty Sponsor: Brent Kinser

Charles Dickens the Revolutionary Reader: A Christmas Carol on Stage
Student Presenter: Christopher Rollins
Faculty Sponsor: Brent Kinser

Geosciences & Natural Resources

Groundwater Flow Through Fractures in Crystalline Rock at Coweeta Hydrologic Laboratory, North Carolina
Student Presenter: Lily Savitsky
Faculty Sponsor: Cheryl Waters-Tormey

The Effects of Magnetic Interactions and Concentrations on Magnetic Remanence and Magnetic Fabrics
Student Presenter: Michael D. Stillwagon Jr
Faculty Sponsor: Cheryl Waters-Tormey

Assessing Ruffed Grouse Populations and Habitats at Balsam Mountain Preserve
Student Presenter: Kyle Underwood
Faculty Sponsor: Ronald Davis

Mathematics & Computer Science

Developing Mobile Applications for Use in Teaching a Mobile Applications Development Course
Student Presenter: Christopher Blades
Faculty Sponsor: Mark Holliday

Modern Foreign Languages

“My Eiffel Tower is no Minaret” – Anti-Islamic Discrimination in France
Student Presenter: Corey Atten
Faculty Sponsor: Jamie Davis

Mass Graves of Guatemala
Student Presenter: Neisha Harding*
Faculty Sponsor: Jamie Davis

Political Science and Public Affairs

What’s Happening? Acceptance and Use of New Media in Parliament and Congress
Student Presenter: Caroline Wright
Faculty Sponsor: Gibbs Knotts
College of Business

Accountancy, Finance, Information Systems and Economics

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<td>Brittany Burch</td>
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<td>Forecasting Home life with Regression</td>
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<td>Unemployment Forecasting</td>
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<td>Fuel Consumption and Emissions for 4500 and 9000 TEU Ships</td>
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<td>Panama Canal Expansion: Good For the Environment?</td>
<td>John Cory Combs</td>
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<td>Forecasting 2011 Unemployment</td>
<td>Matthew Core</td>
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<td>Environmental Impacts of Expanding the Panama Canal to Allow for Larger Panamax Container Vessels</td>
<td>Dakota Cutshall</td>
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<td>An Environmental Comparison of a 4,000 TEU Panamax and a 10,000 TEU New Panamax Container Vessel</td>
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<td>Using the Phillips Curve and FRED Data to Forecast Unemployment</td>
<td>Jason Eades</td>
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<td>By Land or By Sea: Is the New Panamax 10000 TEU Ship a More Environmental and Economically Sustainable Way to Ship Cargo?</td>
<td>Krisha Faw</td>
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<td>Estimating the Phillips Curve and Unemployment Rate for 2011</td>
<td>Vickie Funk</td>
<td>Robert Mulligan</td>
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<td>Forecast Unemployment for January to December 2011</td>
<td>Barbara A. Garner</td>
<td>Robert Mulligan</td>
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<td>Environmental Impact of Panama Canal Expansion</td>
<td>George Hahn</td>
<td>Robert Mulligan</td>
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<td>Will New Panamax Vessels Travel More Efficiently With Fewer Emissions?</td>
<td>Wesley Hall</td>
<td>Robert Mulligan</td>
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<td>Unemployment Rate for 2011</td>
<td>Benjamin Harrison</td>
<td>Robert Mulligan</td>
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Comparing the Energy Requirements for Two Sizes of Panamax Vessels (4000 TEU and 11000 TEU) to Those of Semi-Trucks and Trains
Student Presenter: Andrew Harsey
Faculty Sponsor: Robert Mulligan

2011 Unemployment Forecast based on Historical Unemployment and Inflation Rates
Student Presenter: Jonathan Jeuck
Faculty Sponsor: Robert Mulligan

Projected Unemployment Rate for 2011
Student Presenter: Reed Jones
Faculty Sponsor: Robert Mulligan

Effects of the Canal Expansion Project on Efficiency between Current Ship Sizes, New Ship Sizes, and Ground Transport, as well as Pollution Concerns
Student Presenter: Robert G Kreza
Faculty Sponsor: Robert Mulligan

Evaluating the Environmental Impact of the Panama Canal Expansion Project
Student Presenter: Patrick Lacienski
Faculty Sponsor: Robert Mulligan

2011 Rise and Fall of Unemployment
Student Presenter: Brodie Lowe
Faculty Sponsor: Robert Mulligan

Where Are the Jobs?
Student Presenter: Michael McLamb
Faculty Sponsor: Robert Mulligan

Comparison Between Truck, Train, and Panamax Shipping Vessels to Determine the Most Efficient Delivery Method
Student Presenter: Lacy McMinn
Faculty Sponsor: Robert Mulligan

2011 Unemployment Forecast
Student Presenter: Naim Mehovic
Faculty Sponsor: Robert Mulligan

With the Expansion of the Panama Canal, new Panamax Vessels will have Lower Emissions
Student Presenter: Benjamin Melton
Faculty Sponsor: Robert Mulligan

Forecasting the Unemployment Rate with the Phillips Curve
Student Presenter: Natalie Navi
Faculty Sponsor: Robert Mulligan

Unemployment Regression Forecast 2011
Student Presenter: Matthew Page
Faculty Sponsor: Robert Mulligan

Freight Transportation by Ship: an Evaluation of Panama Canal Expansion and the Effects of Ship Size, Efficiency, and Pollution on the Environment
Student Presenter: Thomas Pagels
Faculty Sponsor: Robert Mulligan

Unemployment Rate Forecast for 2011
Student Presenter: Rachel Pedo
Faculty Sponsor: Robert Mulligan

Evaluation of Pollution Emissions Between 5000 TEU Panamax and 12500 TEU New Panamax Ships
Student Presenter: Paul Pittman
Faculty Sponsor: Robert Mulligan

Unemployment Forecast for 2011
Student Presenter: Scott T. Richmond
Faculty Sponsor: Robert Mulligan

The Phillips Curve and Its Significance in Forecasting Unemployment
Student Presenter: David Ross
Faculty Sponsor: Robert Mulligan

New Panamax Ships vs Old Panamax Ships Due to the Panama Canal Expansion
Student Presenter: Christopher Sandel
Faculty Sponsor: Robert Mulligan
Accountancy, Finance, Information Systems and Economics (continued)

Fuel Consumption and Emissions Comparison of Current and New Panamax Ships
Student Presenter: Jacob Sinclair
Faculty Sponsor: Robert Mulligan

Comparing Oil Consumption, Carbon Dioxide, and Nitrogen Oxide Emissions between Panamax Vessels and Trucks/Trains
Student Presenter: Joshua Tipps
Faculty Sponsor: Robert Mulligan

Is the Expansion of the Panama Canal a Positive Step Forward for Lowering Transportation Emissions?
Student Presenter: Kyle Underwood
Faculty Sponsor: Robert Mulligan

The Unemployment Dilemma
Student Presenter: Austin Walker
Faculty Sponsor: Robert Mulligan

Comparison of Energy Usage, Emission Levels, and Fuel Consumption of Panamax and new Panamax Vessels Traveling from Los Angles to New York City
Student Presenter: Ben Watkins
Faculty Sponsor: Robert Mulligan

The Unemployment Rate: Will it Rise or Fall?
Student Presenter: Michael Whitlock
Faculty Sponsor: Robert Mulligan

An Economic and Policy Analysis of South Korea as the Top Producer in the World’s Ship Building Industry
Student Presenter: Eun-jung Woo*
Faculty Sponsor: James Mike Arnott

Business Administration and Law and Sport Management

Who Needs a Jury When We Have Nancy Grace?
- The Influence of Media Publicity on High-Profile Court Cases
Student Presenter: Natalie Cannon
Faculty Sponsor: Janet Ford

Is Free Speech Going to Hell? Thank God for Fervent Funeral Protesters
Student Presenter: Kyle Smith
Faculty Sponsor: Janet Ford

Global Management and Strategy

Title IX, Is it Really Fair?
Student Presenter: Andrew Fowkes
Faculty Sponsor: Gary Fetter

Elementary & Middle Grades Education

David Wiesner- Not your Ordinary Author
Student Presenter: Alisha A. Smith
Faculty Sponsor: Roya Scales

Health, Physical Education & Recreation

Kinesiology in Gymnastics
Student Presenter: Elizabeth Hill
Faculty Sponsor: Maridy Troy

Human Services

Basics of Effective Mentoring
Student Presenter: Kriston Haynes
Faculty Sponsor: Marie-Line Germain
Psychology

A Multicultural Approach in the Elementary Education Classroom
Student Presenter: Tia Hughes
Faculty Sponsor: John Habel

“Using the Necker Cube to Measure Attention”
Student Presenter: Jessica L. Hurlbut*, Christopher J. Macemore
Faculty Sponsor: Winford A. Gordon

Abortion, Animal Rights, and Anthropomorphism: The Relationship Between Anthropomorphism and Moral Values
Student Presenter: Jonathan Long
Faculty Sponsor: Hal Herzog

School of Art and Design

Swarovski Crystal: Chic or Bleak?
Student Presenter: Megan Garrett
Faculty Sponsor: Erin Adams

School of Stage and Screen

The Dreaming Tree
Student Presenter: Carey McKelvey, Liz Oslund
Faculty Sponsor: Jack Sholder

Arts Advocacy: Using the Arts To Promote Awareness
Student Presenter: Amanda Wilson
Faculty Sponsor: Glenda Hensley
Health and Human Sciences

Criminology and Criminal Justice

Latin American Children: Stress, Location and Gang Membership
Student Presenter: Irene Diaz Clark
Faculty Sponsor: Lisa Briggs

Guilty by Science
Student Presenter: Sarah Zucca
Faculty Sponsor: Albert Kopak

Effectiveness of Domestic Violence Shelters
Student Presenter: Brittany Banks, Seth Carver
Faculty Sponsor: Jamie Vaske

Domestic Violence Services in North Carolina
Student Presenter: Brittany Burke
Faculty Sponsor: Jamie Vaske

DRD2 and Environmental Interaction on Externalizing Behavior
Student Presenter: Christina Foster, Mike Gaffigan
Faculty Sponsor: Jamie Vaske

Interaction of MAOA and the Environment on Antisocial Behavior
Student Presenter: Chelsea Fountain, Brandon Edwards
Faculty Sponsor: Jamie Vaske

Interaction of DRD4 and the Environment on Antisocial Outcomes
Student Presenter: Luke Gilliland, Michael Reardon
Faculty Sponsor: Jamie Vaske

Interaction of DAT1 and the Environment on Risk Taking Outcomes
Student Presenter: Destiny Green, Ashley Malone
Faculty Sponsor: Jamie Vaske

Effectiveness of Mandatory Penalties for Domestic Violence
Student Presenter: Kellie Hayes, Brittany Burke
Faculty Sponsor: Jamie Vaske

Effectiveness of Batterer Intervention Programs
Student Presenter: Alex Hunt, Drew Dotson
Faculty Sponsor: Jamie Vaske

Effectiveness of Mandatory Prosecution Policies for Domestic Violence
Student Presenter: Kerri Hunter, Shay Scruggs
Faculty Sponsor: Jamie Vaske

Interaction of DRD2 and the Environment on Antisocial Outcomes
Student Presenter: Paige Jones, Aimee Nieto
Faculty Sponsor: Jamie Vaske

Interaction of DAT1 and the Environment on Antisocial Outcomes
Student Presenter: Brandon Livingston, Matthew Wabby
Faculty Sponsor: Jamie Vaske

Effectiveness of Domestic Violence Shelters and Services
Student Presenter: Katie McCoy, Amber Poe
Faculty Sponsor: Jamie Vaske

The Interaction of 5-HTTLPR and the Environment on Antisocial Outcomes
Student Presenter: Jeff McCrorey, Jacob Bowers
Faculty Sponsor: Jamie Vaske

What’s on Your Strip? Hotel Key Cards and Personal Information
Student Presenter: Amber Poe
Faculty Sponsor: Jamie Vaske
Criminology and Criminal Justice (continued)

Effectiveness of Mandatory Arrest Policies for Domestic Violence
Student Presenter: Kayla Russell, Jordan Peters
Faculty Sponsor: Jamie Vaske

Gene, Environment Interaction of Gene DRD4 on Antisocial Behavior Outcomes
Student Presenter: Meridia Sanders, Lindsey Harper
Faculty Sponsor: Jamie Vaske

Interaction of MAOA and the Environment on Antisocial Outcomes
Student Presenter: Jacon Stamey, Peggy Johnson
Faculty Sponsor: Jamie Vaske

School of Health Sciences – Athletic Training

Traumatic Knee Injury in a Collegiate Cheerleader
Student Presenter: Brandi L. Anders
Faculty Sponsor: Jill Manners

Lateral Knee Pain in a Collegiate Football Player
Student Presenter: G. Britton Harper
Faculty Sponsor: Doug Branch

Non-Contact Posterior Hip Subluxation in a Collegiate Football Player Resulting in an Acetabular Fracture
Student Presenter: Emily K. Whittington
Faculty Sponsor: Ashley Long

School of Health Sciences – Environmental Health Sciences

Identifying Deficiencies in Construction Injury/Illness Reporting
Student Presenter: Layne Arnold
Faculty Sponsor: Tracy Zontek

Measuring Ambient Air Concentrations in a R & D Clean Room Environment
Student Presenter: Samantha Connell
Faculty Sponsor: Burt Ogle

School of Health Sciences – Liberal Studies

Pricing and Availability of Gluten-Free Products on Campus at Western Carolina University
Student Presenter: Melanie Boeyer, Lauren Fleming
Faculty Sponsor: April Tallant

Facial Paralysis in a High School Football Player
Student Presenter: Heather A. Brown*, Matthew M. Fortune
Faculty Sponsor: James Scifers

Irregular Breakfast Eaters Consume Soda More Often Than Regular Breakfast Eaters
Student Presenter: Kyrie Carlson, Rebekah Fortney
Faculty Sponsor: April Tallant

Optimal Gluten Free Foods on Campus at Western Carolina University
Student Presenter: Lauren Fleming, Melanie Boeyer
Faculty Sponsor: April Tallant

Regular Breakfast Eaters Consume More Fruit Than Irregular Breakfast Eaters
Student Presenter: Rebekah Fortney, Kyrie Carlson
Faculty Sponsor: April Tallant

Farm Fresh Taste: Acceptability of Local Produce Among School-Aged Children
Student Presenter: Patricia C. Hipgrave*
Faculty Sponsor: April Tallant

Faculty Sponsor: James Scifers
School of Health Sciences – Nutrition and Dietetics

Investigating Weight Reduction Diets: Comparing the Costs of One Day Menus for MyPyramid, Atkins™, Slim Fast®, and Weight Watchers® Weight Loss Programs
Student Presenter: Krystal Arrington, Annie Pauley
Faculty Sponsor: Wayne Billon

Eating Habits of College Freshmen
Student Presenter: Kristian Belk, Whitney Hinceman
Faculty Sponsor: Wayne Billon

Comparing a Regular Diet, Pesco-Vegetarian Diet, Vegan Diet, and Vegetarian Diet in Athletes
Student Presenter: Chloe Greene, Mindy Toler
Faculty Sponsor: Wayne Billon

Determining Cost When Adopting a Plant-Based Diet
Student Presenter: Mary Hackney, Rebecca Rolon
Faculty Sponsor: Wayne Billon

Office of the Provost

The Program for the Study of Developed Shorelines

Mapping Western Carolina University using High Resolution Aerial Photographs
Student Presenter: Rachel Phipps
Faculty Sponsor: Adam D. Griffith

The Kimmel School

Construction Management

Solar Powered Fountain
Student Presenter: Lyndsey Gentry
Faculty Sponsor: Dr. George Ford
Monday, March 21, 2011
Presentations

College of Arts and Sciences

Anthropology & Sociology
Place: McKee 114
Time: 12:15 PM
Cadaver Dogs as Part of the Archaeological Survey Process
Student Presenter: Paul S. Martin
Faculty Sponsor: Anne Rogers

Time: 12:35 PM
Game On—Understanding the Nintendo DS as a Socializer in Childhood: From the Child’s Perspective; From the Adult’s Perspective
Student Presenter: Nicholas A. Weitzel*
Faculty Sponsor: Marilyn Chamberlin

Time: 12:55 PM
Irish Kinship
Student Presenter: Elaine Tolbert
Faculty Sponsor: Philip Coyle

Time: 1:15 PM
Second Hand Emotion: Romantic Love from an Anthropological Perspective
Student Presenter: Shakita Holloway
Faculty Sponsor: Philip Coyle

History
Time: 1:00 PM Place: Killian 114
The Meat on Their Bones: Diets, Food Practices, and Nutritional Status of Antebellum Slaves
Student Presenter: Rebekah Fortney
Faculty Sponsor: Andrew Denson

The Destruction of Bolshevik Hopes
Student Presenter: Alice Lapoint
Faculty Sponsor: David R. Dorondo

Time: 2:30 PM Place: McKee 209
Manual of the Theophilanthropes: Theophilanthropists and the Importance and Role of this Religion in France During the French Directory
Student Presenter: Zachary Williams
Faculty Sponsor: Elizabeth Yale

Wealth, Society and Marriage: Representations of Gentry Women in Pride and Prejudice
Student Presenter: Samantha Matott
Faculty Sponsor: Andrew Denson

For Sacred Germany: A History of the German Military Resistance to Adolf Hitler, 1938-1944
Student Presenter: Adam Ray
Faculty Sponsor: David Dorondo

Biology
Time: 9:00 AM Place: Natural Sciences 123
The Effect of Germination Time on Acorn Predation
Student Presenter: William D. Ford*
Faculty Sponsor: Beverly Collins, Katherine Mathews

Communication
Time: 2:30 PM Place: Stillwell 149
Community and University Engagement and Partnerships
Student Presenter: Jasna McElrath
Faculty Sponsor: Betty Farmer

Mathematics & Computer Science
Time: 1:00 PM Place: Killian 114
Rediscovering Archimedes
Student Presenter: Cynthia Dayton
Faculty Sponsor: Sloan Despeaux
Modern Foreign Languages
Time: 1:25 PM  Place: McKee 135
Japan and I  (Past, Current, Future)
Student Presenter: Dorothy Anna Hunt, Joshua Pond, Matthew Barret, Alexander Smith, Jeremy Gregory, Cassie Small, Matthew Mugrage, James Berry, Alfres Vendrell, and Stephen Parton
Faculty Sponsor: Yumiko Ono

Time: 2:30 PM  Place: McKee 135
Japan and I  (Past, Current, Future)
Student Presenter: Dorothy Anna Hunt, Joshua Pond, Matthew Barret, Alexander Smith, Jeremy Gregory, Cassie Small, Matthew Mugrage, James Berry, Alfres Vendrell, and Stephen Parton
Faculty Sponsor: Yumiko Ono

Political Science and Public Affairs
Time: 2:30 PM  Place: McKee Computer Lab
Green: The Economic and Political Perspectives on Alternative Energy
Student Presenter: Mitchell Rosewall*
Faculty Sponsor: Chris Cooper

College of Business

Business Administration and Law and Sport Management
Time: 10:10 AM  Place: Forsyth 314
Child Abuse and Neglect and the Impact on a Child’s Academic Performance
Student Presenter: Erin Keenan
Faculty Sponsor: Lorrie Willey

Time: 11:15 AM  Place: Forsyth 314
The Chef’s Special
Student Presenter: Megan Nantel
Faculty Sponsor: Lorrie Willey

Education and Allied Professions

Elementary & Middle Grades Education
Time: 11:15 AM  Place: Killian 114
Are Charter Schools Killing Public Schools?
Student Presenter: Amanda Roberts
Faculty Sponsor: Pamela Buskey

Health, Physical Education and Recreation
Time: 11:15 AM  Place: Reid 122H
Xtreme Sports Research
Student Presenter: Nate Christian, Troy Adams, Phillip Yarborough, Saunders Southecorvo
Faculty Sponsor: Ben Tholkes
Health, Physical Education and Recreation (continued)

Time: 11:35 AM
Western Waterfall Awareness
Student Presenter: Justin Kleberg, Will Butler, Emily Baker
Faculty Sponsor: Maurice Phipps

Time: 12:35 PM
Recreational Use of Panthertown Valley
Student Presenter: Robyn Tetterton, Sarah Owenby, Zach Broyhill
Faculty Sponsor: Ben Tholkes

Time: 11:55 AM
Gender Equity in Publications
Student Presenter: Will Mayse, Ty Fehrenbacher, Elliott Knoch
Faculty Sponsor: Ben Tholkes

Time: 12:55 PM
Head High at the “Y” - A Challenge Course Business Plan
Student Presenter: Joseph Faison
Faculty Sponsor: Debby Singleton

Time: 12:15 PM
Outdoor Recreation Research
Student Presenter: Emily Baker, Ted Freemeyer
Faculty Sponsor: Ben Tholkes

Time: 12:20 PM
Psychology
Place: Killian 338
Personality Traits and Roommate Compatibility
Student Presenter: Rebecca P. Smith
Faculty Sponsor: David McCord

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Health and Human Sciences

Criminology and Criminal Justice
Place: Belk 412
Time: 4:00 PM
Sociopolitical Impact of Federal Response Delays Prior to Emergency and Disaster Operations
Student Presenter: Richard L. Beauchamp III
Faculty Sponsor: Robert T. Berry, Lifetime CEM

Time: 4:15 PM
Disaster Logic Model: A F.A.S.T. Approach to Survivor Triage and Stabilization
Student Presenter: Brandon L. Morgan
Faculty Sponsor: Robert T. Berry, Lifetime CEM

Time: 4:30 PM
Course Application: Applying Criminological Theories to Real Criminal Events
Student Presenter: Lydia Scott
Faculty Sponsor: Lisa Briggs

School of Health Sciences
Place: Moore 107
Time: 4:30 PM
Health Care
Student Presenter: Alessa Lennon, Kaitlyn Levan, Katie Sprague
Faculty Sponsor: Baldwin Sanders

Time: 4:30 PM
High Fiber Substitution in Baking
Student Presenter: Nicole Levi
Faculty Sponsor: Baldwin Sanders
The Kimmel School

Engineering & Technology
Place: Belk 355
Time: 4:00 PM
The Beginning of a Cross Platform Project for
Mathematical and Scientific Plotting
Student Presenter: Michael Jordan
Faculty Sponsor: Robert Adams

Time: 4:20 PM
Power Control by Pulse Width Modulation
Student Presenter: Allan Overstreet
Faculty Sponsor: Robert Adams
Monday, March 22, 2011

College of Arts and Sciences

Chemistry & Physics
Time: 3:00 PM  Place: Natural Sciences 208
Antimicrobial Agent from a Pseudomonas sp. Strain from the Great Smoky Mountains National Park
Student Presenter: Rachel M. Bleich
Faculty Sponsor: Jason Clement

English
Place: Coulter 304
Time: 1:00 PM
You Remember Me?: The Role of the Past in Toni Morrison’s Beloved
Student Presenter: Elizabeth Nissly*
Faculty Sponsor: Annette Debo

John Keats, the Apothecary Surgeon of “Ode to a Nightingale”
Student Presenter: Taylor Fie*
Faculty Sponsor: Brent Kinser

Santiago’s Ascension: Mortality and Transcendence in Hemingway’s The Old Man and the Sea
Student Presenter: Andrew M. Benton
Faculty Sponsor: Brent Kinser

Time: 2:15 PM
Prolusion I
Student Presenter: Abigail Isom
Faculty Sponsor: Mimi Fenton

Prolusion I: Blindness is Preferable to Sight
Student Presenter: Anne Catherine “Kate” McRae
Faculty Sponsor: Mimi Fenton

Is God A Tyrant: a Miltonic Prolusion
Student Presenter: Tabatha Bishop
Faculty Sponsor: Mimi Fenton

Time: 3:30 PM
John Milton’s “A Masque”: Virtue, Wisdom, and Contemplation
Student Presenter: Kimberly Waddell
Faculty Sponsor: Mimi Fenton

John Milton and “Il Penseroso”
Student Presenter: Erik Freitas
Faculty Sponsor: Mimi Fenton

Satan is America: John Milton, Thomas Jefferson, and the Foundation of a New Republic
Student Presenter: Christopher Rollins, Travis Mullen
Faculty Sponsor: Mimi Fenton

Time: 4:45 PM
The Dark Side of Humanity
Student Presenter: Joanna Andrews
Faculty Sponsor: Laura Samal

Little Miss Perfect
Student Presenter: Jessica Presnell
Faculty Sponsor: Margaret Bruder

Understanding Culture Through a Personal Artifact
Student Presenter: Allison Dixon
Faculty Sponsor: Margaret Bruder
Mathematics & Computer Science
Place: Stillwell 434
Time: 10:00 AM
Modular Artificial Intelligence
Student Presenter: Wesley E. Holland, Jr
Faculty Sponsor: William Kreahling

Time: 1:30 PM
Dynamically Load Balanced Distributed Systems
Student Presenter: Eddie Allen, Russell T. Gaskey
Faculty Sponsor: William Kreahling

Time: 2:00 PM
Assignment Management and File Submission System
Student Presenter: Bradley Proctor, Calum Anderson-Carroll
Faculty Sponsor: William Kreahling

Time: 4:30 PM
Integrating Real-Time Data with Mobile Applications
Student Presenter: Christopher Blades
Faculty Sponsor: William Kreahling

Philosophy and Religion
Place: Stillwell 225
Time: 10:00 AM
Teaching Science vs. Anti-Science
Student Presenter: Jeff Lux
Faculty Sponsor: Daryl Hale

Time: 10:30 AM
Sōma - Sēma? The Body as a Prison in Hellenistic Philosophy and Early Christianity
Student Presenter: Heather Cavalier
Faculty Sponsor: Daryl Hale

Time: 1:00 PM
John Haught and a Growing God
Student Presenter: Matthew Sutter*
Faculty Sponsor: Daryl Hale

Time: 2:00 PM
Religion, Ethics, and Evolution
Student Presenter: Austin Hughes
Faculty Sponsor: Daryl Hale

Time: 2:30 PM
Social Reminders: The Problem of Freedom and Authenticity
Student Presenter: Heather E. Cavalier
Faculty Sponsor: James McLachlan

Time: 3:00 PM
Four Hikers Meet David Hume
Student Presenter: Marina Martinez
Faculty Sponsor: James McLachlan

Time: 3:30 PM
The Devil and Charlie Darwin
Student Presenter: Joshua Harris
Faculty Sponsor: Daryl Hale

Modern Foreign Languages
Time: 9:30 AM
Place: McKee 116
The Montessori Method into El Método Montessori: Understanding Spanish Syntax through Visual and Tactile Learning
Student Presenter: Carolyn Ellison
Faculty Sponsor: Jamie Davis
## Fine and Performing Arts

### School of Music

**Place:** Coulter 357  
**Time:** 12:30 PM  
**Women in Jazz: An Investigation of Gender Roles in Jazz Music**  
Student Presenter: Rebecca Lautier  
Faculty Sponsor: Christina Reitz

**Time:** 12:50 PM  
**Irish Street Ballads**  
Student Presenter: Jacqueline Traywick  
Faculty Sponsor: Christina Reitz

**Time:** 1:10 PM  
**The Role of Race in Rap Music**  
Student Presenter: Sarah Sheehan  
Faculty Sponsor: Christina Reitz

**Time:** 1:30 PM  
**A Comparison of Philosophies and Ideologies in the Ancient and Baroque Musical Periods**  
Student Presenter: Rebecca Lautier  
Faculty Sponsor: Christina Reitz

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## Health and Human Sciences

### Communication Sciences & Disorders

**Time:** 2:05 PM  
**Place:** Belk 138  
**A Comparison of Perspectives Surrounding the Influences on an Individual's Dialect Formation**  
Student Presenter: Rebekah Norris  
Faculty Sponsor: Georgia Hambrecht

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### School of Health Sciences

**Place:** Moore 107  
**Time:** 12:35 PM  
**Not in my Backyard, Unless I am Poor, Uneducated, or a Person of Color: The Toxicity of PCBs**  
Student Presenter: Erin Gymburch*  
Faculty Sponsor: Burt Ogle

**Time:** 12:45 PM  
**The Use of RFID to Improve the Effectiveness, Efficiency, and Safety of Chemical Inventories at CNMS**  
Student Presenter: David Craig  
Faculty Sponsor: Burt Ogle

**Time:** 12:55 PM  
**Complete Hazard Assessment within a Gross Anatomy Laboratory**  
Student Presenter: Chris Caler  
Faculty Sponsor: Burt Ogle

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**Time:** 1:05 PM  
**Assessing Safety and Environmental Health Measures in Elderly Homes in Angoon, AK**  
Student Presenter: Stephanie Caler  
Faculty Sponsor: Burt Ogle

**Time:** 1:15 PM  
**Water Quality Monitoring in the Carol's Cabins Community**  
Student Presenter: Lailani Rockholt  
Faculty Sponsor: Tracy Zontek

**Time:** 1:25 PM  
**Progress Toward the Development of a Molecular Assay to Discriminate Two Species of Bed Bugs**  
Student Presenter: Erin Gymburch  
Faculty Sponsor: Brian Byrd

**Time:** 1:35 PM  
**Application of the Agilent BioAnalyzer for the Identification of Two Morphologically Similar Mosquitoes**  
Student Presenter: Virginia Hopkins  
Faculty Sponsor: Brian Byrd
Undergraduate Academic Project Grants Awarded 2010-2011

Initiated by Chancellor John Bardo in 1996, the Undergraduate Academic Projects Grant Program funds a variety of student projects. The committee awarded over $28,375 this year. Members of the UAPGP Committee are:

- Robert Mulligan ............................................................. Business
- Hal Herzog ................................................................. Education and Allied Professions
- Katherine Mathews ..................................................... Arts and Sciences
- Christina Reitz ............................................................. Fine and Performing Arts
- Douglas Kinard .......................................................... Kimmel School of Construction Management and Technology
- Tracy Zontek .............................................................. Health and Human Sciences
- Brian Railsback ........................................................... Honors College

Anthropology and Sociology

Haitian Voodoo
Student Recipient: Jer-Mayne White
Faculty Sponsor: Philip Coyle

The Kegare Concept
Student Recipient: Lauren Levine
Faculty Sponsor: Philip Coyle

Cadaver Dogs in Archaeological Survey
Student Recipient: Paul S. Martin
Faculty Sponsor: Anne Rogers

Taphonomy of Infant-Sized Remains
Student Recipient: Paul S. Martin, Spencer Oliver, and Britanni Benton
Faculty Sponsor: Cheryl A. Johnston

Chemistry and Physics

Over Expression and Purification of Stm1p Protein in E. Coli
Student Recipient: Catherine Denning
Faculty Sponsor: Michael Van Dyke

Supramolecular Chemistry: Crown ether complexes and their unique bonding
Student Recipient: Richard Overstreet, Melissa Williams
Faculty Sponsor: Carmen Huffman

Preparation and Materials Characterization of Lanthanide Metal-Based Nanoparticles for Biomedical Imaging
Student Recipient: Lauren Runken
Faculty Sponsor: Channa De Silva

BAFFLE - Bacteria Aids Fresco For Longer Existence
Student Recipient: Caitlin Williams
Faculty Sponsor: Scott Huffman

Communication Sciences and Disorders

Testing the Attentional Network in Persons with Aphasia
Student Recipient: Sarah Robbins
Faculty Sponsor: Leigh Morrow-Odom

Construction Management

EDCON and EXPO Associated Builders and Contractors (ABC) 2011 Student Chapter Competition
Student Recipient: Sarah Schultz, Lyndsey Gentry, Anthony Solary, Matt Smith
Faculty Sponsor: David Martin

Undergraduate Academic Project Grants Awarded 2010-2011
Criminology and Criminal Justice

Various Poster Presentations
Student Recipient: including Joseph Kellerman, Courtney Dameron, Christina Foster, Alindrea Rawlinson
Faculty Sponsor: Stephen Brown

The Effectiveness of Juvenile Justice Programs in North Carolina
Student Recipient: Travis Simpson, Lindsey Harper, Derek Mueller
Faculty Sponsor: Albert Kopak & Cyndy Caravelis Hughes

Engineering and Technology

Powered Ankle Orthosis, Phase 1
Student Recipient: Chris Justice, Jason McCurry
Faculty Sponsor: Martin Tanaka

English

Satan in America: John Milton, Thomas Jefferson, and the Foundations of a New Republic
Student Recipient: Travis Mullen, Christopher Rollins
Faculty Sponsor: Mary Fenton

Geosciences and Natural Resources Management

Assessing Ruffed Grouse (Bonasa umbellus) Populations and habitat at Balsam Mountain Preserve
Student Recipient: Kyle Underwood
Faculty Sponsor: Ronald Davis

Measurement of Shallow Hydraulic Conductivity Profiles in Potential Landslide Initiation Zones of the Mountains of Western North Carolina
Student Recipient: Matthew Burnette
Faculty Sponsor: David Kinner

Student Recipient: Chad Hiatt
Faculty Sponsor: Benjamin Tanner

Math and Computer Science

Laurel Cobb is our nominee this year for the NCCTM student award.
Student Recipient: Caitlynn Yencha, Mary Griffin, Jennifer Bumgardner, Laurel Cobb, Arminda (Roxy) Boone, Ashley (Elizabeth) Gierok, Christine Wilson, Ericka Byrd, Judy Fleming, Ashley Staggs, Rachel Owens, Connie Abadie, Gabrielle Martin, Alisha Smith, Jeff Rouselle, Melo
Faculty Sponsor: Tuval Foguel
Philosophy and Religion

Student Recipient: Stephanie Bridges, Emily Marie Elders, Bethany Barton, Paul Horton, Molly Metz, Ryan Rutledge, Amber Shipp, Bethany Ketting (mentor)
Faculty Sponsor: John Whitmire

Political Science and Public Affairs

Terrorism: The Causal and Intrinsic Relationship to Corruption
Student Recipient: Hayden Smith
Faculty Sponsor: Nial Michelsen

Psychology

Can the Necker Cube Measure Attention
Student Recipient: Christopher J. Macemore
Faculty Sponsor: Windford Gordon

School of Health Sciences

Various Topics
Student Recipient: Heather Brown, Andrea Kaufman, Brandi Anders, G. Britton Harper, Ashley Bracken
Faculty Sponsor: Jill Manners

Potential Use of an Ozone Generator to Improve Air Quality in Unoccupied Spaces
Student Recipient: Amanda McQueen
Faculty Sponsor: Burton Ogle

Various Topics
Student Recipient: Heather Brown, Emily Whittington, Britton Harper
Faculty Sponsor: Jill Manners

NCDA research projects
Student Recipient: Krystal Arrington, Nancy Belk, Sarah Brown, Frances Childers, Chloe Green, Mary Hackney, Whitney Hinceman, Eli Hipps, Caroline Holland, David Lightner, Annie Pauley, Rebecca Rolon, Melinda Toler, Choua Vue
Faculty Sponsor: Wayne Billon, Susan Bogardus

Application of a Microfluidics-based platform (Agilent BioAnalyzer) for the molecular identification of closely two related mosquito species (Aedes atlanticus and Aedes tormentor)
Student Recipient: Virginia Hopkins
Faculty Sponsor: Brian Byrd

School of Music

Bach Prelude and Fugue in A Minor and Beethoven Egmont Overture
Student Recipient: Candice Boling, Jeff Bowman, Kayla Chipley, Savannah Forest, Andrew Gore, Mat McChargue, Elizabeth Priode, Tori Roach, Amy Shuford, Whitney Stewart, Avery Surratt
Faculty Sponsor: Travis Bennett

North American Saxophone Alliance, Region VI Conference Master Class Performance
Student Recipient: Delante Randolph, Adam Wooten, Martin Baker, Ethan King
Faculty Sponsor: Ian Jeffress

The niefnorf Summer Festival 2011
Student Recipient: Gregory Andrew Dills
Faculty Sponsor: Mario Gaetano

School of Stage and Screen

Too Much To Ask
Student Recipient: Leah Thomas, Mandy Hughes
Faculty Sponsor: Terry Curtis Fox

The Dreaming Tree
Student Recipient: Carey McKelvey, Liz Oslund
Faculty Sponsor: Jack Sholder, Terry Curtis Fox, Arledge Armenake

Undergraduate Academic Project Grants Awarded 2010-2011
Honors College International Travel Grants

These grants are possible due to a fund established by Honors College Advisory Board members Dr. E.J. Tarbox and Dr. Mark and Kathy Whitehead.

Study Abroad Wales
Student: Angela Langdon

Study Abroad Amsterdam
Student: Cayli Meitzel

Study Abroad Amsterdam
Student: Marie Rawlings

Study Abroad Ireland
Student: Micheal A. Kahn

Study Abroad Germany
Student: Benjamin Ward

Study Abroad Japan
Student: Max DeGrove

Study Abroad Wales
Student: Seth Crockett

Study Abroad Chile
Student: Ian Youmans

Study Abroad Netherlands
Student: Allison Ray

Study Abroad Australia
Student: Nikki Harrold

Study Abroad Australia
Student: Kaitlyn Conger

Study Abroad Hong Kong
Student: Courtney Timmons

Study Abroad Japan
Student: Jessica Sloan

Study Abroad Peru
Student: Desiree Reagan

Study Abroad Australia
Student: Emily Goodman

Study Abroad Ireland
Student: Samuel Colin Scott
The (New) Honors College Medallion

To commemorate the tenth anniversary of The Honors College, the student Board of Directors led the creation of a College medallion. The first medallion, featuring a pen and ink rendering of Reynolds Hall—the first home of The Honors College—was in use from 2007 to 2011. The new medallion, featuring the new residences for The Honors College—Balsam and Blue Ridge Halls—was illustrated by Asheville artist Lee Panthas and the graphic design was completed by Loretta Adams and Rubae Schoen. The medallion is worn at Commencement by students who complete the Honors curriculum, the dean, and in rare cases by special friends of The Honors College. The medallion replaced the purple cord Honors graduates have worn at commencements since 1997.